

PTU-1

APPENDIX D

SUPPORTING COUNTERBALANCE OF TAKE-UP

ASSEMBLY DURING TRANSPORTATION

STAT

If it is necessary to transport the portable take-up assembly from one locality to another by vehicle, the counterbalance for the rotary storage bar must be secured rigidly to prevent any movement during shipment. If not secured, any abrupt movement of the vehicle possibly could cause the counterbalance shaft to bend or snap. Thus, the counterbalance must be secured to its stop which is mounted to the back of the take-up's mechanism plate. The stop is shown in Section B6 of  Drawing No. 1-119-E-001. This drawing is included in Appendix C, Parts List.

Revised July 1965

Declass Review by NGA.

D-1

Reversal Process

MACHINE RT-12R

PRODUCT Original Negative

EMULSION TYPE 3400

SIZE Up to 9.5 inches

PROCESS EMULSION UP ☒ DOWN ☐

MACHINE SPEED DIAL SETTING

5.5

FILM STRIP SPEED

5.5"/m

SECONDS PER RACK

50

THREAD-UP

Full

PROCESSING STAGE	CHEMICAL TANK	RPL.	(mls/min) RPL. RATE	(°F) TEMP.	TIME	NO. R.	PUMP PRESSURE	NOZZLE TYPE	TYPE	AGITATION GAS	PRES.
1st Developer	14DN20G*	14DN20G	150 (70mm) 300 (9½")	80±.5	3'20"	4		Roller Action			
Rinse	H ₂ O	H ₂ O	100%	80±2	50"	1		Roller Action			
Bleach	R-9S	R-9-RS	300 (70mm) 800 (9½")	80±2	50"	1		Roller Action			
Clearing Bath	CB-2	CB-2	300	80±2	50"	1		Roller Action			
Rinse	H ₂ O	H ₂ O	2 gal.	80±2	50"	1		Cascading			
2nd Developer	D-95	D-95R	300	80±1	1'40"	2		Roller Action			
Rinse	H ₂ O	H ₂ O	2 gal.	80±2	50"	1		Cascading			
Fix	Type A	Type A	300	80±2	50"	1		Roller Action			
Wash	H ₂ O	H ₂ O	2 gal.	80±2	2'30"	3		Cascading			
Dry				130±5							

DAMPER SETTINGS:

INTAKE

EXHAUST

VARIAC SETTINGS

LOCATION OR NO. OF WGTs.

COMMENTS:

1. Re-exposure amperage set at 5.25.
2. Powerstat set at 70.
3. Heater selector set at 5.
4. Blower selector set at 3.

* To a fresh tank, add 1 bottle of Type A starter per rack of developer.

PROCESS EMULSION UP ☒ DOWN ☐

Intermediate Process Level

To a fresh tank of developer, add 1 bottle of Type A starter solution per rack.

Negative Process
MACHINE RT-12R
PRODUCT Original Negative
EMULSION TYPE 3400
SIZE Up to 9.5 inches
PROCESS EMULSION UP ☒ **DOWN** ☐

MACHINE SPEED DIAL SETTING 18
FILM STRIP SPEED 18"/m
SECONDS PER RACK 14"
THREAD-UP Full
 Intermediate Process Level

PROCESSING STAGE	CHEMICAL		(mls/min)	(°F)	TIME	NO. R.	PUMP PRESSURE	NOZZLE TYPE	TYPE	AGITATION		PRES.
	TANK	RPL.	RPL. RATE	TEMP.						GAS		
1st Developer	Type A	Type A	250 (70mm) 500 (9 1/2")	85±1	55"	4		Roller Action				
Stop Bath	SB5B	SB5B	500	85±2	14"	1		Roller Action				
Fix	Type A	Type A	500	85±2	1'24"	6		Roller Action				
Wash	H ₂ O	H ₂ O	3 gal/m	85±2	55"	4		Cascading				
Dryer				125±5								

DAMPER SETTINGS:
INTAKE _____

EXHAUST _____

VARIAC SETTINGS
LOCATION OR NO. OF WGTs. _____

COMMENTS:

1. Adjust speed dial to zero ft/min before shutting off machine.
2. Heater selector set at 5. Blower selector set at 3.

To a fresh tank of developer, add 1 bottle of Type A starter solution per rack.

PROCESSING SPECIFICATION NO. _____

Reversal Process

MACHINE RT-12R

PRODUCT Original Negative

EMULSION TYPE 3404

SIZE Up to 9.5 inches

PROCESS EMULSION UP ☒ DOWN ☐

MACHINE SPEED DIAL SETTING 9

FILM STRIP SPEED 9"/m

SECONDS PER RACK 28

THREAD-UP Full

PROCESSING STAGE	CHEMICAL		(mls/min)	(°F)	TIME	NO. R.	PUMP PRESSURE	NOZZLE TYPE	TYPE	AGITATION		PRES.
	TANK	RPL.	RPL. RATE	TEMP.						GAS		
1st Developer	14DN20G*	14DN20G	250 (70mm) 500 (9½")	72±.5	1'51"	4			Roller Action			
Rinse	H ₂ O	H ₂ O	100%	72±2	28"	1			Roller Action			
Bleach	R-9S	R-9-RS	400 (70mm) 1000 (9½")	72±2	28"	1			Roller Action			
Clearing Bath	CB-2	CB-2	500	72±2	28"	1			Roller Action			
Rinse	H ₂ O	H ₂ O	2 gal.	72±2	28"	1			Cascading			
2nd Developer	D-95	D-95R	500	72±1	56"	2			Roller Action			
Rinse	H ₂ O	H ₂ O	2 gal.	72±2	28"	1			Cascading			
Fix	Type A	Type A	500	72±2	28"	1			Roller Cascading			
Wash	H ₂ O	H ₂ O	2 gal.	72±2	1'24"	3			Cascading			
Dry				125±5								

DAMPER SETTINGS:

INTAKE _____

EXHAUST _____

VARIAC SETTINGS

LOCATION OR NO. OF WGTs. _____

COMMENTS:

1. Re-exposure amperage set at 5.25.
2. Powerstat set at 70.
3. Heater selector set at 5.
4. Blower selector set at 3.

*To a fresh tank, add 1 bottle of Type A starter per rack of developer.

MACHINE: RT-12R
PRODUCT: Original Negative
EMULSION TYPE: 3404
SIZE: Up to 9.5 inches
PROCESS: EMULSION UP ☒

FILM STRIP SPEED	51'/m
SECONDS PER RACK	52"
THREAD-UP	Full

Negative Process

MACHINE	RT-12R
PRODUCT	Dupe Pos & Neg
EMULSION TYPE	8430
SIZE	Up to 9.5 inches
PROCESS	EMULSION UP ☒

MACHINE SPEED DIAL SETTING 30
FILM STRIP SPEED 30' / m
SECONDS PER RACK 8"
THREAD-UP Full

[illegible]

DAMPER SETTINGS:

INTAKE

EXECUTIVE SUMMARY

VARIAC SETTINGS

LOCATION OR NO.	VAR. AC	SETTING
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
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21	21	21
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92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

COMMENTS:

1. Adjust speed dial to zero ft/min before shutting off machine.
2. Heater selector set at 5. Blower selector set at 3.

To a fresh tank of developer, add 1 bottle of Type A starter solution per rack.

Reversal Process
 MACHINE RT-12R
 PRODUCT Dupe Pos & Neg
 EMULSION TYPE 8430
 SIZE Up to 9.5 inches
 PROCESS EMULSION UP ☒ DOWN ☐

MACHINE SPEED DIAL SETTING 12
 FILM STRIP SPEED 12'/m
 SECONDS PER RACK 21
 THREAD-UP Full

PROCESSING STAGE	CHEMICAL		(mls/min)	(°F)	TIME	NO. R.	PUMP PRESSURE	NOZZLE TYPE	TYPE	AGITATION	
	TANK	RPL.	RPL. RATE	TEMP.						GAS	PRES.
1st Developer	14DN20G*	14DN20G	250 (70mm) 500 (9½")	75±.5	1'24"	4		Roller Action			
Rinse	H ₂ O	H ₂ O	100%	75±2	21"	1		Roller Action			
Bleach	R-9S	R-9S	400 (70mm) 1000 (9½")	75±2	21"	1		Roller Action			
Clearing Bath	CB-2	CB-2	500	75±2	21"	1		Roller Action			
Rinse	H ₂ O	H ₂ O	2 gal.	75±2	21"	1		Cascading			
2nd Developer	D-95	D-95R	500	75±1	42"	2		Roller Action			
Ri	H ₂ O	H ₂ O	2 gal.	75±2	21"	1		Cascading			
Fix	Type A	Type A	500	75±2	21"	1		Roller Action			
Wash	H ₂ O	H ₂ O	2 gal.	75±2	1'03"	3		Cascading			
Dry				125±5							

DAMPER SETTINGS:
 INTAKE _____
 EXHAUST _____

VARIAC SETTINGS
 LOCATION OR NO. OF WGTs. _____

COMMENTS:

1. Fe-exposure amperage set at 5.25.
2. Powerstat set at 70.
3. Heater selector set at 5.
4. Flow selector set at 3.

* To a fresh tank, add 1 bottle of Type A starter per rack of developer.